Conference Proceedings

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CONFERENCE VENUE

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Email: convener@eurasiaresearch.info

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Preface:

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Our mission is to make continuous efforts in transforming the lives of people around the world through education, application of research & innovative ideas
KEYNOTE SPEAKER

Assoc. Prof. Dr Arzu Baloglu

Department of Business Administration, Marmara University, Istanbul, Turkey and Part-Time Lecturer, Yeditepe University, Istanbul, Turkey

Topic: “The Expectations of Care Needed Elderly People in Turkey about an Assistive Robot”

Dr Baloglu completed her undergraduate at the Technical University of Istanbul, her MBA in production management at the University of Istanbul, and her PhD in Information Technology at the University of Istanbul. She has experience of 15 years in production and technology management. She worked for various plants including manufacturing, service and consulting companies as middle or top manager. For instance, Ernst and Young Consulting Turkey are one of the companies, where she added important values within 5 years. Also, she worked in SAP Business for a long time and managed various SAP/ERP projects in Turkey and also abroad. Now she is serving in ERP, CRM and e-business categories as a senior consultant and lecturing at various universities. She gave the lectures and courses in the Universities of Bilgi, Işık and Yeditepe. Additional to these she is sometimes giving conference seminars and company training in her expertise areas. Dr Baloglu has about 15 professional and academic papers, published in various technology magazines and books. And she currently works for Marmara University – Dept. of Business Administration under the title of Asst. Prof and also teaches the same courses at Yeditepe University as a part-time lecturer.

LinkedIn profile: https://www.linkedin.com/in/assoc-prof-dr-arzu-baloglu-47575411/

Facebook Account: https://www.facebook.com/arzu.baloglu.9

Portal: www.arzubaloglu.com
KEYNOTE SPEAKER

Yulia Kryvenko

Assistant Professor, Department of Social Work, Faculty of Health Sciences, Istanbul Zaim University, Turkey

Topic: Arts for Healing and Social Change. How Being Creative can improve our Quality of Life?

She received her Master’s Degree in Social Work and Doctorate Degree in Social Philosophy from National Aviation University Ukraine in 2013. Since then she acquired particular expertise in qualitative research, phenomenology and philosophy of health sciences. Her empirical research is primarily related to marital satisfaction in intercultural marriages and influence of art therapy on children’s well-being. She is also a co-editor of several books and co-author of a number of international publications.

Profile web links:
https://www.linkedin.com/in/yulia-kryvenko-585a69104/
https://www.facebook.com/julia.kryvenko
**PRESENTERS**

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| Roukia Benyammi ERCICRLSH1916054 | Enhanced Ajmalicine Production in Hairy Roots of the Medicinal Plant Catharanthus Roseus Treated with Calcium Chloride | Roukia Benyammi  
ENS – Kouba, Algiers, Algeria  
LRGB, ENSA (ES1603), Algiers, Algeria  
Majda Salaoui-Khelifi  
LRGB, ENSA (ES1603), Algiers, Algeria  
Abdelkader Morsli  
LRGB, ENSA (ES1603), Algiers, Algeria  
Stéphane Desobry  
ENSAIA of Nancy, France  
Lakhdar Khelifi  
LRGB, ENSA (ES1603), Algiers, Algeria |
Laboratory of Mycology, Biotechnology and Microbial activity, FSNV, University Mentouri Constantine-1, Algérie  
Laid Dehimat  
Laboratory of Mycology, Biotechnology and Microbial activity, FSNV, University Mentouri Constantine-1, Algérie  
Noreddine Kacem Chaouche  
Laboratory of Mycology, Biotechnology and Microbial activity, FSNV, University Mentouri Constantine-1, Algérie |

**Abstract**

The medicinal plant, Catharanthus roseus, is an invaluable source of many terpenoid indole alkaloids including anticancer molecules as vincristine and vinblastine and antihypertensive molecule ajmalicine. The main limiting hurdle to produce sufficient amount of these compounds are the low yield. Hairy roots are an excellent system to study the regulation mechanisms of ajmalicine production. In the present work, we report the analyses of the kinetics of growth and the accumulation of ajmalicine in few selected hairy root lines. The maximum production of ajmalicine coincides with the exponential biomass growth phase. In another hand, the application of different concentration of CaCl2 during this biomass growth phase showed an important enhancement of ajmalicine production. Specially, after application of 3 mM of CaCl2 during 48 hours, allowed to increase the ajmalicine content by 34.97 % and 39.37 %, respectively, for hairy root lines LP10 and L54.

**Keywords:** Ajmalicine, Elicitation, LC-MS/MS, Medicinal Plant, Cacl2, Secondary Metabolites

**Problematic:** Significant losses in harvested fruit can be directly attributable to decay fungi. Some of these pathogenic fungi are also the source of mycotoxins that are harmful to humans. Biological control of postharvest decay of fruits, vegetables and grains using antagonistic bacteria has been explored as one of several promising alternatives to chemical fungicides, the use of which is facing increasingly more stringent regulation.

**Goal:** In this paper, Bacillus subtilis was evaluated for biocontrol activities against Botrytis cinerea, one of the most phytopathogenic fungus.
Methodology: The soil bacterium Bacillus subtilis designated CWBI-B1567, was isolated from palm trees of arid regions, situated in South-East of Algeria. This classification was based on Gram staining, catalase test, morphology and standard biochemical tests, and confirmed by 16S rDNA based phylogenetic analysis.

In vitro assay by co-culture of Bacillus subtilis and Botytis cinerea was done on agar plates and bioactive molecules were produced by Bacillus subtilis in a liquid culture medium optimised for lipopeptide production. The antifungal activity was equally demonstrated by testing the resulting supernatants and lipopeptide-enriched extracts

Results: Our results showed that Bacillus subtilis effectively inhibited radial growth of the fungus by developing a zone of lysis of 5 cm at 30°C.

The electro-spray mass spectrometry coupled to liquid chromatography (ESI-LC-MS) analysis revealed that the antifungal compound was similar to the known lipopeptide: iturin and surfactin. Iturin purified from Bacillus subtilis had five homologous from C14 to C18 while surfactin had five homologous from C12 to C16.

Conclusion: These findings support the potential use of Bacillus subtilis CWBI-B1567 for biological control of plant pathologies against Botrytis cinerea and should be added to the list of Bacillus species, as one of the largest sources of bioactive natural products.

Keywords: Bacillus Subtilis CWBI-B1567, Botrytis Cineria, Biocontrol, Phytopathogenic Fungus, (ESI-LC-MS)
The current report is aimed at finding out whether the anti-melanoma potential of Rhamnus alaternus extract. Rhamnus alaternus-treated B16F10 cells were analyzed for their metabolic rate and apoptotic potentials. The results showed that Rhamnus alaternus extract inhibited cancer cell growth at a dose-dependent manner. Using acridine orange staining under immunofluorescence microscope significant nuclear condensation and morphological changes for B16F10 cells were observed while in the control group the cells without Rhamnus alaternus extract treatment revealed normal nuclear morphology. The apoptotic effect of this extract was confirmed using Annexin V/PI double staining and the proteolytic cleavage of poly(ADP ribose) polymerase (PARP). Moreover, this extract also exhibited specific cell cycle inhibition in sub-G0 and S phase. Meanwhile, 9 flavonoids compounds (Quercetin diglucoside ; Quercetin-3-Oneohesperidoside ; Kaempferol-3-O-(2G-α-L-rhamnosyl)-rutinoside ; Rhamnetin hexoside Rhamnetin hexoside ; Kaempferol-3-O-rutinoside ; Rhamnocetin hexoside ; Pilosin hexoside ; Apigenin glucoside and Kaempferol-3-O-glucoside) were purified and responsible for its anticancer activity. Hence, Rhamnus alaternus extract may be a possible therapeutic candidate having cytotoxic and anti-melanoma potential.

Keywords: Rhamnus Alaternus, Anti-Melanoma, Apoptosis, Cell Cycle, B16 F10 Cells

Zahra Bostani Khalesi
ERCICRLSH1916078

Impact of Menopause on Sex Life Among Women and Their Spouses

Zahra Bostani Khalesi
Department Of Midwifery, Social Determinants Of Health Research Center, School Of Nursing And Midwifery, Guilan University Of Medical Sciences, Rasht, Iran

Mahmood Abedinzade
Department Of Physiology, School Of Paramedical Sciences, Guilan University Of Medical Sciences, Langrood, Iran

Fatemeh Jafarzadeh-Kenarsari
Department Of Midwifery, Social Determinants Of Health Research Center, School Of Nursing And Midwifery, Guilan University Of Medical Sciences, Rasht, Iran

Abstract

Background: Satisfying sex life is a sensitive topic that failure to achieve this can have a negative effect on their lives. Sex life can be affected by several factors including age and menopause. The purpose of this study was to evaluate whether menopause in women affects sexual function in their spouses.

Methods: A cross-sectional study was carried out in Rash, Iran in 2018. 430 menopausal women and their husbands (n=215 couple) were enrolled in current research. Participants selected by multistage sampling method. Female sexual function was investigated using the Female Sexual Function Index (FSFI), and for evaluating the male sexual function, International Index of Erectile Function (IIEF) questionnaire used. To analyze the data, unpaired Student’s t-test or Mann–Whitney U test and Pearson correlations were run using SPSS, version 21.

Results: Among the 430 sexually active couples were eligible for the analysis with mean ages of 53.6 years (range 46–62) and 57.2 years (range 52–71) for the women and men, respectively. On the basis of the FSFI and IIEF scores, 36.28% (78/215) of the women had sexual difficulty, and 14.88% (32/215) of the men had mild to moderate ED. After adjustment for female age group, the spouses of women with FSD are not significantly lower total and domain scores of the IIEF than those of women without FSD. After further adjustment for other risk factors, FSD of the women was not a significant risk factor for male sexual problems.

Conclusion: In conclusion, the presence of FSD may not perform a primary contributing factor to ED; but, low sex drive in menopausal women to be mostly impaired intercourse satisfaction and overall satisfaction in their spouses.

Key Words: Erectile Function, Female Sexual Function, Couple, Menopause
A New Strategy for Alleviating Cognitive Dysfunction in Alzheimer Disease

Mahmood Abedinzade
Associate Professor, Medical Biotechnology Research Center, Faculty of paraMedicine, Guilan University of Medical Sciences, Rasht, Iran

Mojtaba Hedayati Ch
Assistant Professor, Department of Microbiology, Faculty of Medicine, Guilan University of Medical Sciences, Rasht, Iran

Samane Heydari
MSc, Medical Biotechnology Research Center, Faculty of Paramedicine, Guilan University of Medical Sciences, Rasht, Iran

Iraj Nikokar
Associate Professor, Medical Biotechnology Research Center, Faculty of paraMedicine, Guilan University of Medical Sciences, Rasht, Iran

Abolfazl Khafri
Quality control of bacterial & parasitic vaccine department, quality control management, razi vaccine and serum research institute, agricultural research education and extension organization (AREEO), Karaj, Iran

Ali Rezaei Mokarram
Quality control of bacterial & parasitic vaccine department, quality control management, razi vaccine and serum research institute, agricultural research education and extension organization (AREEO), Karaj, Iran

Abstract
Research objective: Alzheimer disease (AD), the most common neurodegenerative disease related to memory, and now new therapeutic approaches against AD are required. The current study assigned based on encapsulated Diphtheria Toxoid effects on learning and memory impairment in an animal model.

Methodology: Diphtheria Toxoid (DT) nanoparticles carrier prepared by ionic gelation methods. 24 rats randomly divided into 3 groups: 1) Healthy, 2) Alzheimer’s disease model induced by beta-amyloid (1-42) injection (1μg/μl Aβ solution was injected intracerebroventricularly to induce AD), 3) Receiving intranasal diphtheria vaccine. The Morris Water Maze (MWM) test was used to examine animal learning and memory.

Finding: DT encapsulated nanoparticles prepared with 40 nm average diameter size. In comparison to the healthy group, the AD model animal showed impaired learning and memory significantly (p<0.05) while DT administrated animal showed improvement in learning and memory impairment significantly (p<0.05).

Research outcome: Ameliorating effects of DT nanoparticles against learning and memory impairment observed but further studies needed.

Future scope: Evaluation the effect of other vaccine solely and combined with DT on AD.

Keywords: Alzheimer’s Disease / Chitosan / Diphtheria Toxoid

Using Technology to Support Women with Peri-Natal Depression and Anxiety

Sehar Un Nisa Hassan
Department of Public Health, College of Public Health and Health Informatics, University of Hail, Kingdom of Saudi Arabia

Abstract
Sustainable Development Goals (SDGs) for the period 2015-2030, underscores the need to address the maternal healthcare needs of women in developing countries. Maternal mental health is a significant determinant of women and newborn health. A wide range of interventions at multiple levels is required to address the physical, reproductive and mental healthcare needs of women during pregnancy. Using health informatics to support women with perinatal and post-natal
depression can be a promising intervention. The current paper presents evidence at adaptation and testing of health application developed keeping in view the Arab cultural context to support women with peri-natal and post-natal depression. A health application in Arabic language have been developed and tested to screen and provide early intervention to women with peri-natal and post-partum depression. Findings have provided useful guidance and support to devise interventions by using technology, which are more affordable, empower women in their healthcare and can be implemented at large scale.

Nassima Elyebdri ERCICRLSH1916081
Ethnobotanical Study on The Usage of Plants in Breast Cancer at the Department of Oncology of Tlemcen, Algeria
Elyebdri Nassima
Laboratory of Pharmacognosy, Aboubekr Belkaid University, Unity of Pharmacology, Dr. Benzerdjeb Benouaouda Hospital, Tlemcen, Algeria
Helali Amal
Laboratory of Pharmacognosy, Aboubekr Belkaid University, Dr. Benzerdjeb Benouaouda Hospital, Tlemcen, Algeria
Tachema Abir
Laboratory of Pharmacognosy, Aboubekr Belkaid University, Tlemcen, Algeria
Bendimerad Sanaa
Laboratory of Pharmacognosy, Aboubekr Belkaid University, Tlemcen, Algeria

Abstract
Herbal medicine is an ancestral practice that is often adopted by patients suffering from chronic or acute diseases, such as breast cancer. In order to inventory and study plants in the Oncology Department at the University Hospital Center of Tlemcen (northwestern Algeria), an ethnobotanical study was carried out with 130 women over a period of four months (from October 2017 to February 2018).

Anonymous survey data were collected using an unsigned questionnaire and then a list of the plants used and identified was established. These were listed in tables, where their names (vernacular and scientific), parts used, instructions for use and frequency of use were summarized. The most frequently cited plants were studied and then monographs and brochures, summarizing their pharmacological properties, toxicity, adverse effects and interactions, which were intended for the staff of the department, were developed.

A series of 54 plant species were identified. They were afterwards divided into 36 botanical families, and the most represented were: Lamiaceae, Apiaceae, Rosaceae, Asteraceae, and Fabaceae. The most widely used plants were Berberis vulgaris (64.1%), Prunus persica (62%), Nigella sativa (54.3%), Atriplex halimus (34.8%), Annona muricata (12%), Aristolochia longa and Allium sativum (10.9%), Curcuma longa (8.7%) and Olea europea (7.6%). It was found that most of them possess anti-oxidant and anti-cancer preventive activities. Moreover, it was established that 25% of the plants mentioned can cause toxicity and six of them were identified as estrogenic.

Keywords: Breast Cancer, Ethnobotany, Tlemcen

Tounes Maarouf ERCICRLSH1916085
Pistacia Lentiscus Oil against Mercuric Chloride-Induced Toxicity in The Domestic Rabbit Oryctolagus Cuniculus
Tounes Maarouf
Laboratory of Animal Ecophysiology, Department of Biology, Faculty of Sciences, University Badji Mokhtar-Annaba, Annaba- 23000, Algeria
Samia Benzazia
Department of Biology, Faculty of Sciences, University of 20 August 1955, Skikda- 21000, Algeria
Cherif Abdennour
Laboratory of Animal Ecophysiology, Department of Biology, Faculty of Sciences, University Badji Mokhtar-Annaba, Annaba- 23000, Algeria
Abstract

The objective of this study was to investigate the possible protective role of Pistacia lentiscus oil against Hg-induced toxicity in domestic rabbit Oryctolagus cuniculus. Twenty four males were divided into three groups. The control was fed a basic diet, whereas the other two groups were treated either by Hg alone (1g HgCl2/Kg food) or Hg-oil (1g HgCl2/Kg food + 5% Pistacia oil), respectively, for 37 consecutive days. After exposure and treatment periods, rats were sacrificed; blood and epididymis semen samples, were collected and specimens of testis were taken, compared to the control. The results have revealed that the MDA concentration has increased significantly in the Hg group compared to the control, which means that animals have been subjected to oxidative stress. On the other hand, the Hg-oil has maintained the MDA within normal levels. Total antioxidants have been reduced significantly in the Hg group, compared to the other two groups. However, the presence of oil has not maintained completely the antioxidants within their normal range. The immunochemical parameters represented by total leucocytes counts, lymphocytes, monocytes and granulocytes, have not been affected either in the Hg or in Hg-oil group. As well the mineral status of iron and calcium was not affected in both treated groups, despite the observed slight variations. While semen biology has showed a slight non-significant decrease in sperm concentration and speed of Hg exposed group compared to the control. However, the motility was decreased significantly in the Hg group compared to the other two groups. Sperm viability was also decreased significantly in the Hg, but not in the Hg-oil group. Semen biology data were well supported by histopathological finding. In conclusion, the data obtained in the present study suggests that P. lentiscus oil has a protective effect against mercury-induced toxicity.

Keywords: Mercury Chloride, Pistacia Lentiscus, Oxidative Stress, Immunological Parameters, Mineral Status, Fertility

Benhamimed El Attafia
ERCICRLSH1916092

The disinfection by-products (THMs) levels in drinking tap water at Mostaganem region (Northern West Algeria)-Algeria

Benhamimed El-Attafia
Department of Biology, Faculty of Natural and Life Sciences, Abdelhamid Ibn Badis University of Mostaganem, Algeria

Abstract

Chlorine is commonly used for the disinfection of drinking water in Algeria. During chlorination, chlorine reacts with organics matter in water to form the chlorination by-products including trihalomethanes. The high concentration authorised in drinking water is 100µg/l. These are carcinogenic compounds for humans. This problem leads us to undertake a study about hyperchlorination and trihalomethanes analysis in drinking water, especially in Mostaganem region. For this, 18 samples of tap water are collected and analyzed using headspace solid-phase microextraction during the year 2017. The results obtained have shown that the maximal concentration is 172.61µg/l was in Achaacha region and 17.54µg/l in Salamandre area. It was concluded that the drinking tap water distributed in Mostaganem region, contains a considerable amount of Trihalomethanes, chlorodibromomethane and bromoform are in majority, this could impact directly on consumer’s health during a long period of time.

Keywords: Analyse, Tap Water, Trihalomethanes, Mostaganem

Suhaila Samaae
ERCICRLSH1916093

Aflatoxin Contamination of Instant Tea in Beverage Shop at Yala Province, Thailand

Suhaila Samaae
Lecturer in Public Health, Sirindhon College of Public Health, Yala, Praboromajachanok Institute, Ministry of Public Health, Thailand

Anchalee Pongkaset
Lecturer in Public Health, Sirindhon College of Public Health, Yala, Praboromajachanok Institute, Ministry of Public Health, Thailand

Abstract

This study was to explore an amount of fungi and aflatoxin contaminated in instant tea in beverage shop and the factors correlated to physical factors according to the food sanitary principles of the shops in yala province. There were 73 shops and 73 tea samples were examined for amount of fungi by Standard Plate counts. Aflatoxin assay was also tested with Quickimg Biotech (ISO 9000). The
study indicated that there were 73 stalls. 31.6% was plastic containers and sealed packs were 52.6%. At 94.7% showed shelf life on 2gdays and 36.8% indicated pending in storage. 73 tea sample were contaminated and 55% of them were lower than the food sanitation standard level, Food Sanitation Division of the Department of Health Ministry of Public Health. Fungi accounted for 61.64% in the ranged of 2-30 CFU/ml of sample and amount of aflatoxin contaminated was 30.50% that is lower than the standard (up to 20 ppb). Even the amount of aflatoxin was not exceed the standard but if the consumers eat continuously, the aflatoxin will accumulate in the bodies and finally become to get liver cancer. For the consumers, they should be careful for themselves by choosing the clean and safety products that will be more safe for their healths.

Keywords: Fungal Contamination of Tea, Aflatoxin

A Systematic Review of Human Fungal Pathogens Carried by The Housefly (Musca Domestica L.)

Faham Khamesipour
Department of Pathobiology, School of Veterinary Medicine, Shiraz University, Shiraz, Iran
Health Policy Research Center, Institute of Health, Shiraz University of Medical Science, Shiraz, Iran

Abstract
The synanthropic house fly, Musca domestica (Diptera: Muscidae), is a mechanical vector of pathogens, some of which cause serious diseases in humans and domestic animals. In the present study, a systematic review was done on the types and prevalence of human fungal pathogens carried by the house fly. Major health-related electronic databases including PubMed, PubMed Central, Google Scholar, and Science Direct were searched for relevant literature on fungal pathogens that have been isolated from the house fly. Among the titles included, 15 and 3 described fungi and bacteria+fungi, respectively. Most of the house flies were captured in/around human habitation and animal farms. Pathogens were frequently isolated from body surfaces of the flies. Numerous publications also reported antimicrobial resistant fungi isolated from house flies. This review showed that house flies carry a number of fungal pathogens which can cause serious infections in humans and animals. More studies are needed to identify new pathogens carried by the house fly.

Keywords: House Fly, Mechanical Transmission, Fungal

Basic Education
Egwuta Chukwuebuka
Entrepreneur, Jamino Ventures Nig Ltd, Lagos, Nigeria

Abstract
The purpose of this note is to provide teachers, caregivers, instructors and trainers with practical ideas on how best to include children with disabilities in all their activities. It acts as a supplement to the UNICEF Education Kit Handbook. The first part of the note is common to all three modules (Early Childhood Development, Basic Primary Education and Recreation). It provides general information on why it is so important to take an inclusive approach and focus on ensuring children with disabilities are not only present, but can participate fully and achieve. It also provides suggestions on how to raise awareness and encourage the community and others to get involved in ensuring all children benefit from learning and play opportunities and provides practical suggestions on how to reach out to children with different disabilities. The second part of this note focuses on a particular module of the handbook and provides concrete examples and practical advice on how to include all children in activities. Acknowledgements This guide is a result of the cooperation between UNICEF’s Programme Division and Supply Division. Gopal Mitra, Programme Specialist, Disability Section UNICEF HQ, provided the overall leadership to the development of this guidance note – managing all the inputs and providing the conceptual framework for the guidance. The guide was prepared by the Enabling Education Network (EENET) with crucial inputs being provided by UNICEF’s Education and Early Childhood Development (ECD) Sections. Special thanks to Chris Cormency and Lene Hanson of UNICEF’s Supply Division for their advice and support throughout the process. Helpful comments and suggestions were provided by Lisa Bender, Rosangela Berman-Bieler, Kelly Bonner, Anna Burlyaeva, Arnaud Conchon, Amy Farkas, Brenda Haiplik, Luke Hanson, Tamara Rusinow, Lieve Sabbe, Megan Tucker and Jim Dawson. We would appreciate any feedback on the guide as a result of its use. Please send any feedback to disabilities@unicef.org
The Relevance and Application of Operations Research in Managerial Decision Making (a Case Study of Nigeria Manufacturing Organization)

Nwachukwu Chukwuka Christian
Research and Managerial, Chuka Nwachukwu and Co. Enterprise, Lagos, Nigeria

Abstract

Operations research is one of the most comprehensive research and analysis approaches to decision making. It is a product of World War II. Although its antecedents in scientific method, higher mathematics, and such tools as probability theory go back far beyond that period. There is extensive empirical evidence on its successful application in solving problems in American industries and across Europe. But not much has been heard of its usefulness in Nigeria. This research study is therefore a move toward this direction. The study is focused at finding out the relevance and the extent of application of Operations Research techniques in the decision-making process of managers in manufacturing firms across the South Eastern zone of Nigeria. To realize the objective of this study, the quasi-experimental design was employed, likewise, the descriptive research was used because it allows the researcher to look for fresh ideas and insight which helps to explain what was seen and how the identified variables inter-relate. Employing the simple random sampling technique, a sample size of 133 (determined through Saunders formula) out of the 1,482 workers in six (6) manufacturing firms selected from Abia, Anambra and Imo States was used for this study. Primary data was collected through the administration of structured questionnaire validated by experts to ascertain the appropriateness of the items. Oral interviews were conducted as appropriate simple percentages were also used for data analyses. The Chi-square formula was to test the research hypothesis. The findings of the study showed that Basic statistics, inventory control techniques forecasting technique, Break-even analysis and decision analyses are the most frequently applied operations Research techniques in decision-making process of Nigerian managers in manufacturing firms. Only very few (23% or 31%) managers are familiar with the use of transportation technique, linear programming, computer simulation and PERT/CPM. It was further revealed that these techniques have been successfully applied by Nigerian managers in decision concerning the selection of building sites of plants, pricing, advertising and bidding procedures, development of quantity discount schedules, compatibility analysis for new products, and in locating points of distribution and warehousing. We strongly recommend the formation of Operations Research associations among Nigeria managers in public and private sectors and practitioners for there is none existing for now. This, we feel will encourage the floating of more Operations Research journals, and regular mounting of seminars and workshops, thereby improving on the awareness level of the existence and relevance of Operations Research in Nigeria.
The Influence Of Physiological Characteristics On Blood Pressure Estimation Using Ppg Features And Machine Learning Models

Sen Yang
International Doctoral Innovation Centre, University of Nottingham Ningbo China, Ningbo, China,

Yaping Zhang
International Doctoral Innovation Centre, University of Nottingham Ningbo China, Ningbo, China,

Stephen P. Morgan
Optics and Photonics Research Group, University of Nottingham, Nottingham NG7 2RD, UK,

Siu-Yeung Cho
International Doctoral Innovation Centre, University of Nottingham Ningbo China, Ningbo, China,

Ricardo Correia
Optics and Photonics Research Group, University of Nottingham, Nottingham NG7 2RD, UK,

Long Wen
School of Economics, University of Nottingham Ningbo China, Ningbo, China,

Abstract
The detection, evaluation, prevention, and treatment of hypertension to minimize the risk of its complications play important roles in both clinical medicine and daily life. The most effective prevention and control of hypertension is still to check the blood pressure levels regularly and continuously. Although the conventional blood pressure measurement methods are immediate, precise and cheap, there still exist some inherent disadvantages, such as invasive, discontinuous, cuff-required or not suitable in routine use. Therefore, some researchers investigate new approaches to measure blood pressure continuously and without cuff by calculating the ‘time delay’ in time propagation of physiological waves. To avoid the complex measurements of these physiological waves, a novel approach that exploits non-invasive and continuous blood pressure prediction methods based on only photoplethysmogram (PPG) features and investigates the influence of inclusion of various combinations of physiological characteristics by using machine learning algorithms is presented in this study. After the pre-processing of a high-quality PPG signal database, 12 features extracted from PPG signal and its derivatives, along with the 5 physiological features including gender, age, height, weight and BMI from each subject, are used as inputs to three different machine learning models, namely lasso regression, support vector machine (SVM) and artificial neural networks (ANN), for the purpose of predication of blood pressure. The performance of machine learning models and the estimation accuracy of the algorithms are evaluated using the international standard. The results show that the inclusion of increased number of physiological characteristics leads to improved accuracy of blood pressure estimation. Future research will focus on model optimization to improve the blood pressure estimation accuracy further.

Keywords: Blood Pressure, Physiological Characteristics, Photoplethysmography (PPG) Signal

A Comparative Study with Bootstrap Re-Sampling Techniques to Uncover Behavior of Unconditional Hazards and Survival Functions for Gamma and Inverse Gaussian Frailty Models.

Marthin Pius
Hacettepe University, Faculty of Science, Dept. of Statistics, 06800, Beytepe, Ankara, Turkey

Nihal Ata Tutkun
Hacettepe University, Faculty of Science, Dept. of Statistics, 06800, Beytepe, Ankara, Turkey

Abstract
In this manuscript we compare the effectiveness of gamma and inverse Gaussian distributions for frailty term in modeling survival data for heterogeneous populations. Different baseline hazards
were considered including exponential, Weibull and Gompertz. We derived the closed form expressions for unconditional hazard and survival functions under each baseline distribution for both gamma and inverse Gaussian frailty models. We applied both graphical and simulation approach to compare the models based on unconditional hazards and survival functions. General overview from graphical approach indicate that gamma distribution under the Gompertz and Weibull baseline hazards is better compared to inverse Gaussian in modeling survival data for heterogeneous population. Results from simulation also shows superiority of gamma distribution in modeling survivals for heterogeneous population especially when the sample size is small. For large samples, inverse Gaussian is more efficient compared to gamma distribution. Most cases when exponential baseline hazard is used, results appeared to be poor compared to when Weibull or Gompertz baseline hazards were used for both gamma and inverse Gaussian frailty models.

**Keywords: Frailty, Conditional Hazards, Bootstrap Resampling Technique, Laplace Transform**

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**LISTENERS**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution and Department</th>
<th>Email or ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elvis Ojo</td>
<td>Science Laboratory Technology, Federal Polytechnic Nekede, Owerri, Imo State, Nigeria</td>
<td>ERCICRLSH1916049</td>
</tr>
<tr>
<td>Aiyowie Omorodion</td>
<td>Food Science and Technology, Federal Polytechnic Nekede, Owerri, Imo State, Nigeria</td>
<td>ERCICRLSH1916049</td>
</tr>
<tr>
<td>Jeffrey Jahman</td>
<td>Computer Science, Federal Polytechnic Nekede, Owerri, Imo State, Nigeria</td>
<td>ERCICRLSH1916049</td>
</tr>
<tr>
<td>Stanley Ugochukwu Kekeocha</td>
<td>Zoology, Federal Polytechnic Nekede, Owerri, Imo State, Nigeria</td>
<td>ERCICRLSH1916049</td>
</tr>
<tr>
<td>Victor Eke</td>
<td>MBA, Data Management, Federal Polytechnic Nekede, Owerri, Imo State, Nigeria</td>
<td>ERCICRLSH1916049</td>
</tr>
<tr>
<td>Chima Godswill Ejimadu</td>
<td>Environmental Science, Federal Polytechnic Nekede, Owerri, Imo State, Nigeria</td>
<td>ERCICRLSH1916049</td>
</tr>
<tr>
<td>Kingsley Ekene Nnanna</td>
<td>Federal Polytechnic Nekede, Owerri, Imo State, Nigeria</td>
<td>ERCICRLSH1916049</td>
</tr>
<tr>
<td>Emmanuel Chinonye Okolie</td>
<td>Environmental Management, Federal Polytechnic Nekede, Owerri, Imo State, Nigeria</td>
<td>ERCICRLSH1916049</td>
</tr>
<tr>
<td>Adefemi Adekunle</td>
<td>Moshood Abiola Polytechnic Department of Marketing Department, Nigeria</td>
<td>ERCICRLSH1916050</td>
</tr>
<tr>
<td>Aliu Azeez Adekunle</td>
<td>Federal Polytechnic Ilaro Department of Marketing Department, Nigeria</td>
<td>ERCICRLSH1916050</td>
</tr>
<tr>
<td>Salako Abiodun Idris</td>
<td>SollemLarry Nigeria Limited, Abeokuta, Ogun State, Nigeria</td>
<td>ERCICRLSH1916050</td>
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<tr>
<td>Kawunwi Stephen</td>
<td>Oluwaseyi SollemLarry Nigeria Limited, Abeokuta, Ogun state, Nigeria</td>
<td>ERCICRLSH1916050</td>
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<tr>
<td>Iliass EL Harchaoui</td>
<td>Sciences Biologie, University of IBN Tofail, Kenitra, Morocco</td>
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**2019 – 15th International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 09-10 August, Istanbul**

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<tr>
<th>ERCICRLSH1916051</th>
<th>Ifunanya Miracle Okedu</th>
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<tr>
<td></td>
<td>Department of Pharmacy, Near East University, Lefkosia, Turkish Republic of Northern Cyprus</td>
</tr>
<tr>
<td>ERCICRLSH1916053</td>
<td>Soud Abdellah</td>
</tr>
<tr>
<td></td>
<td>M.B.A, Leadstar college, Ethiopia, Addis Ababa</td>
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<tr>
<td>ERCICRLSH1916056</td>
<td>Bukar Alhaji Ibrahim</td>
</tr>
<tr>
<td></td>
<td>Physiotherapy, Noida International University, Noida, India</td>
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<tr>
<td>ERCICRLSH1916057</td>
<td>Mohiuddin Fnu</td>
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<td></td>
<td>Education Consulting, Golden Education Service, Dhaka, Bangladesh</td>
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<td>ERCICRLSH1916058</td>
<td>Ghadah Sabagh</td>
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<tr>
<td></td>
<td>Doctor, Alaqeq Hospital, Taif, Saudi Arabia</td>
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<td>ERCICRLSH1916059</td>
<td>Raja Afaq Ahmed Kha</td>
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<td>Ngo, Muzaffarabad Poverty Alleviation Programme, Muzaffarabad, Pakistan</td>
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<td>ERCICRLSH1916060</td>
<td>Boimah Saryon</td>
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<td></td>
<td>Business, United Methodist University, Monrovia, Liberia</td>
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<td>ERCICRLSH1916061</td>
<td>Malki zoulikha</td>
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<td>Health Sector, Algeria</td>
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<tr>
<td>ERCICRLSH1916063</td>
<td>Henry Kadallah Saryon</td>
</tr>
<tr>
<td></td>
<td>Department of Science, University of Liberia, Monrovia</td>
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<tr>
<td>ERCICRLSH1916064</td>
<td>Ganiu Olarewaju Enitan</td>
</tr>
<tr>
<td></td>
<td>Hospital Laboratory, Hospital Laboratory Services Ltd, Lagos, Nigeria</td>
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<tr>
<td>ERCICRLSH1916065</td>
<td>Iyabo Anike Ibikunle</td>
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<td></td>
<td>University College Hospital, University College Hospital, Ibadan, Nigeria</td>
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<td>ERCICRLSH1916066</td>
<td>Hsien-ju Lee</td>
</tr>
<tr>
<td></td>
<td>Department of Nursing, Kaohsiung Municipal Min-Sheng Hospital, Kaohsiung City, Taiwan</td>
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<tr>
<td>ERCICRLSH1916067</td>
<td>Kazeem Adeleke</td>
</tr>
<tr>
<td></td>
<td>Department of Biology, Nasarawa State University, Keffi, Nigeria</td>
</tr>
<tr>
<td>ERCICRLSH1916068</td>
<td>Abdulrahaman Abass Abiodun</td>
</tr>
<tr>
<td></td>
<td>Engineering, University of Lagos, University of Lagos, Nigeria</td>
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<td>ERCICRLSH1916069</td>
<td>Olabode Olubosayo Runsewe</td>
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<td></td>
<td>Molly Specialist Hospital, Molly Specialist Hospital, Nigeria</td>
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<tr>
<td>ERCICRLSH1916070</td>
<td>Chukwudi Aniwene</td>
</tr>
<tr>
<td></td>
<td>Department of Animal Science, Federal University, Lafia, Nigeria</td>
</tr>
<tr>
<td>ERCICRLSH1916071</td>
<td>Michael Ukaonu</td>
</tr>
<tr>
<td></td>
<td>Department of Animal Science, Federal University, Lafia, Nigeria</td>
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<tr>
<td>ERCICRLSH1916072</td>
<td>Ugochukwu Ogbonna</td>
</tr>
<tr>
<td></td>
<td>Department of Biology, Federal University, Lafia, Nigeria</td>
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<tr>
<td>ERCICRLSH1916073</td>
<td>Leonard Chukwuocha</td>
</tr>
<tr>
<td></td>
<td>Department of Biology, Federal University, Lafia, Nigeria</td>
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</tbody>
</table>
| ERCICRLSH1916074 | Kolawole Homis  
Heartcare, Rufus White Limited, Lagos, Nigeria |
|------------------|---------------------------------------------|
| Otega Victor  
Zoology, Nasarawa State University(Nsuk) Keffi, Nigeria |
|------------------|---------------------------------------------|
| Nwakanma Ezenwa  
Medical Laboratory, IMO State University, Nigeria |
|------------------|---------------------------------------------|
| Amina Sharipova  
Internal Medicine, Tashkent Pediatric Medical Institute, Tashkent, Uzbekistan |
|------------------|---------------------------------------------|
| Obum Goodluck Ebene  
Research Manager, Saboeleja Trading and Investment Ltd, Lagos, Nigeria |
|------------------|---------------------------------------------|
| Chukwuunike Benjamin Ojete  
Admin, University of Port Harcourt Teaching Hospital, Port Harcourt, Rivers state, Nigeria |
|------------------|---------------------------------------------|
| Chinedu Edwin Albert  
Admin, Leadmark Integrated Investment Limited,100 Kwame Nkrumah Street, Asokoro Abuja, Nigeria |
|------------------|---------------------------------------------|
| Usman Jerry Favour Solomon  
I.T Manager, Saboeleja Trading and Investment Ltd, Lagos Nigeria |
|------------------|---------------------------------------------|
| Chinemerem Emmanuel Ijesa  
Agricultural Science, Federal Polytechnic Nekede, Owerri, Imo State, Nigeria |
|------------------|---------------------------------------------|
| Odinakahuchukwu Vincent Egbuchilem  
Royal both Ventures Nigeria Limited Abuja, Abuja, Nigeria |
|------------------|---------------------------------------------|
| Lukuman Gbadebo Salami  
Department of Community Health, Ede North Local Government, Oja Timi, Ede, Netherlands |
|------------------|---------------------------------------------|
| Fatou Demba  
Sales and Marketing, Demba's Creation, Mayamba, Gambia |
|------------------|---------------------------------------------|
| Fatou Demba  
Sales and Marketing, Demba's Creation, Mayamba, Gambia |
|------------------|---------------------------------------------|
| Merve Nur Sêvinc  
Department of Psychology, International University of Sarajevo, Sarajevo, Bosnia and Herzegovina |
|------------------|---------------------------------------------|
| Sasa Stajic  
Department of Psychology, University of East Sarajevo, Pale, Bosnia and Herzegovina |
|------------------|---------------------------------------------|
| Onuorah Emmanuel Mmaduabuchukwu  
Research Manager, Mudab Network Services, Lagos, Nigeria |
|------------------|---------------------------------------------|
| Bakary Touray  
Health Science, West African Secondary School, Banjul, Gambia |
|------------------|---------------------------------------------|
| Frank kwasi Agyei Bio  
Manufactuer, Ayaresa Herbal Center, Kumasi, Ghana |
|------------------|---------------------------------------------|
| Abdullah Al Akib  
Department of Science and Technology, University of Dhaka, Bangladesh |
ERCICRLSH1916106
Ali Hassan Ibrahim
Humanitarian, Daryeel Organization, Somalia, Nigeria
ERCICRLSH1916107
Tim Chimezie
Supervisor Councillor on Medical and Primary Health, Ovia South-West Local Government, Ovia South-West, Nigeria
ERCICRLSH1916108
Alfred Uzor Okor
Supervisor Councillor for Health, Awka North Local Government, Awka, Nigeria
ERCICRLSH1916109
Emmanuel Prince Ozobi
Foreign Desk, Nigeria Union of Journalist, Abuja, Nigeria
ERCICRLSH1916110
Okeke Kwalu Ifenna Fabian
Foreign Desk Editor, Union Journalist, Nigeria
ERCICRLSH1916111
Adewale Orolu
Health Department Al-Saheed Nigeria Enterprises, Al-Saheed Nigeria Enterprises, Ibadan, Nigeria
ERCICRLSH1916113
Zahra Afrasiabi
Environmental, Science, Soka University of America, Aliso Viejo, California, USA
ERCICRLSH1916112
Emeka Agim
 Sağlık Araştırması, Synergy Global Resources Ltd, Benin, Nijerya
ERCICRLSH1916114
Julius Egharewa
Administration, Royal Edifice Ventures, Lagos, Nigeria
ERCICRLSH1916115
Ugochukwu Edeh
Administration, Royal Edifice Ventures, Lagos, Nigeria
ERCICRLSH1916116
Nwankwo John Okechukwu
Health, Enugu State Ministry of Health, Enugu, Nigeria
ERCICRLSH1916117
Bartholomew Okwor
Health, Enugu State Ministry of Health, Enugu, Nigeria
ERCICRLSH1916117
Nwafor Obinna, S.
Health, Enugu State Ministry of Health, Enugu, Nigeria
ERCICRLSH1916117

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2019 – 18th International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 19-20 September, Jakarta
2019 – 19th International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 27-28 September, Hong Kong
2019 – 20th International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 10-11 October, Dubai
2019 – 21st International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 18-19 October, Prague
2019 – 22nd International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 18-19 October, Bangkok
2019 – 23rd International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 16-17 November, Singapore
2019 – 24th International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 12-13 December, Dubai
2019 – 25th International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 12-13 December, Sydney
2019 – 26th International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 22-23 December, Bali
2019 – 27th International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 24-25 December, Bangkok
2019 – 28th International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 30-31 December, Kuala Lumpur
2020 – International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 20-21 February, Dubai
2020 – 2nd International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 06-07 March, Melbourne
2020 – 3rd International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 28-29 March, Singapore
2020 – 4th International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 03-04 April, Tokyo

2020 – 5th International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 17-18 April, London

2020 – 6th International Conference on Research in Life-Sciences & Healthcare (ICRLSH), 15-16 May, Berlin